

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/014630

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A61K39/39 A61K9/127

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/224010 A1 (DAVIS HEATHER L ET AL) 4 December 2003 (2003-12-04)	1,5-8, 17,18, 20, 22-26, 29,30, 32,33
Y	paragraphs '0002!', '0006!', '0008!', '0010!', '0020!', '0041!', '0059!', '0067! - '0070!', '0073! - '0086!', '0137! ----- -/-	9-11, 14-16

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

31 March 2005

Date of mailing of the International search report

06/04/2005

Name and mailing address of the ISA

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International Application No  
PCT/EP2004/014630

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/161834 A1 (GARCON NATHALIE ET AL) 28 August 2003 (2003-08-28)	1-9, 17-26, 29-31, 33
Y	abstract  paragraphs '0001!, '0013!, '0022! - '0025!, '0040! - '0043!, '0050!, '0060!, '0074!, '0114!, '0120!, '0172!, '0220! ----- WO 03/028656 A (VALIANTE NICHOLAS ; CHIRON CORP (US); O'HAGAN DEREK (US)) 10 April 2003 (2003-04-10) abstract page 3, line 1 - line 29 page 18, line 12 - line 23 page 23, line 1 - line 10 page 25, line 18 - line 32 page 44, line 1 - line 23 page 55, line 12 - page 56, line 19 page 59, line 4 - line 16 page 62, line 3 - page 64, line 23 ----- RICHARDS R L ET AL: "LIPOSOMES LIPID A AND ALUMINUM HYDROXIDE ENHANCE THE IMMUNE RESPONSE TO A SYNTHETIC MALARIA SPOROZOITE ANTIGEN" INFECTION AND IMMUNITY, vol. 56, no. 3, 1988, pages 682-686, XP008034645 ISSN: 0019-9567 abstract page 682, column 2, last paragraph - page 683, column 1, paragraph 1 page 684, column 1, paragraph 2 - column 2, paragraph 3 page 685, column 2 ----- GREGORIADIS G: "IMMUNOLOGICAL ADJUVANTS A ROLE FOR LIPOSOMES" IMMUNOLOGY TODAY, vol. 11, no. 3, 1990, pages 89-96, XP000102991 ISSN: 0167-5699 page 89, column 2, paragraph 2 page 91, column 2, paragraph 1 page 92, column 1, last paragraph - page 94, column 1, paragraph 1 ----- EP 0 356 340 A (LIPOSOME CO INC) 28 February 1990 (1990-02-28) abstract page 3, line 50 - line 58 page 4, line 14 claims 1,2,5 -----	10, 11, 14-16 1, 6-8, 17-26, 29-33 1, 5-9, 17, 23-25, 30, 33 1-9, 17-27, 29-33 9-11, 14-16
		-/-

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/014630

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FUENTES P ET AL: "Use of gamma-inulin/liposomes/Vitamin E adjuvant combination in contraceptive vaccines." INTERNATIONAL JOURNAL OF PHARMACEUTICS (KIDLINGTON), vol. 257, no. 1-2, 12 May 2003 (2003-05-12), pages 85-95, XP002294261 ISSN: 0378-5173 page 86, column 1, last paragraph - column 2, paragraph 1 page 87, column 2, line 3 page 93, line 1, paragraph 3 - page 94	28
A		1-27, 29-33

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/014630

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claim 32 is directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

## Information on patent family members

International Application No

PCT/EP2004/014630

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## INTERNATIONAL SEARCH REPORT

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